



PULL AND JUNCTION BOXES FIELD SECTION 1062

1062.1 SCOPE. To establish procedures for inspecting, sampling, and reporting pull boxes, junction boxes, and pull box frames and covers.

1062.2 APPARATUS.

- (a) Magnetic gauge, reading range of 0-40 mils [0-1000 μ m].
- (b) Rule with suitable graduations to accurately measure the material to be inspected.

1062.3 PROCEDURE.

1062.3.1 Precast Concrete Pull Boxes. Acceptance of precast concrete pull boxes is to be based on the inspection of materials being incorporated into the boxes and inspection of the finished box. Compressive tests and absorption test specimens will not be required.

1062.3.2 Preformed Pull Boxes. Acceptance of preformed polyester resin mortar, preformed resin mortar and fiberglass pull boxes is to be based upon current listing of the manufacturer and model number on the Traffic Operations approved products list, manufacturer's certification, and examination of dimensions and workmanship to determine conformance to the applicable Standard Drawing and Specification Sec 1062. The manufacturer's certification for pull boxes shall state that the material supplied conforms to all of the requirements specified.

1062.3.2.1 Inspection of preformed pull boxes should identify any structural concerns, such as: Fiber mesh not covered by resin mortar in a localized area, areas that can be penetrated by physical means due to voids or less dense material, or visible cracks, especially around the mounting lag nuts.

1062.3.3 Concrete Pull Box Frames and Covers and Cable Hooks.

1062.3.3.1 Concrete pull box frames and covers and cable hooks are to be accepted on the basis of a manufacturer's certification and examination of dimensions, weight [mass], and workmanship to determine conformance to Specification Sec 1062. The manufacturer's certification for cast iron frames and covers is to show the class of cast iron and certify that the material supplied conforms to all of the requirements specified.

1062.3.4 Junction Boxes.

1062.3.4.1 Junction boxes are to be accepted on the basis of a manufacturer's certification and examination of dimensions and workmanship to determine conformance to Specification Sec 1062.

1062.4 REPORT. Reports shall indicate acceptance, qualified acceptance, or rejection. Appropriate remarks, as described in [General Sec 7](#) of this Manual, are to be included in the report to clarify conditions of acceptance or rejection.

1062.4.1 Items in this section shall be reported through SiteManager in accordance with [Automation Sec AS-3510](#) of this Manual. The manufacturer's certification, when required, shall be retained in the district office.

